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(FILE 'HOME' ENTERED AT 22:25:26 ON 13 OCT 2004)

FILE 'CAPLUS, BIOSIS, MEDLINE, USPATFULL' ENTERED AT 22:26:18 ON 13 OCT 2004

L1 1796 S IONENE(W) POLYMER
L2 8619 S MUCOSITIS
L3 3 S L1 AND L2
L4 396029 S INFLAMMATION
L5 143048 S L4 AND TREAT?
L6 6 S L5 AND L1
L7 6 DUP REM L6 (0 DUPLICATES REMOVED)

blessing

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L7 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2001:78709 USPATFULL

TITLE: Anhydrous skin lotions having antimicrobial components for application to tissue paper products which mitigate the potential for skin irritation

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Steinhardt, Mark John, Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6238682	B1	20010529
APPLICATION INFO.:	US 1998-41231		19980312 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1996-658342, filed on 5 Jun 1996, now patented, Pat. No. US 5830487, issued on 3 Nov 1998 Continuation of Ser. No. US 1995-398727, filed on 6 Mar 1995, now patented, Pat. No. US 5525345, issued on 11 Jun 1996 Continuation of Ser. No. US 1993-165767, filed on 13 Dec 1993, now abandoned		
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NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	2107		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An anhydrous lotion composition for killing viruses and bacteria in addition to imparting a soft, lubricious, lotion-like feel when applied to tissue paper and tissue paper **treated** with such lotion compositions are disclosed. The antiviral action of the lotion is due to the addition of an organic acid such as citric acid or salicylic acid. The antibacterial action is due to the addition of antibacterial agents such as TRICLOSAN®. The solubilization of the antiviral and antibacterial agents within the lotion matrix is aided by the addition of hydrophilic solvents and hydrophilic surfactants. The lubricious lotions also contain a plastic or fluid skin conditioning agent such as petrolatum, an optional immobilizing agent such as a fatty alcohol or fatty acid to immobilize the skin conditioning agent on the surface of the tissue paper web and a hydrophilic surfactant to improve wettability when applied to toilet tissue. Because less lotion is required to impart the desired soft, lotion-like feel benefits, detrimental effects on the tensile strength and caliper of the lotioned paper are minimized or avoided. The anhydrous nature of the lotions also aids in the maintenance of such physical properties as tensile and caliper.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB . . . viruses and bacteria in addition to imparting a soft, lubricious, lotion-like feel when applied to tissue paper and tissue paper **treated** with such lotion compositions are disclosed. The antiviral action of the lotion is due to the addition of an organic. .

SUMM . . . leads to advantages in maintaining such paper physical properties as tensile and caliper. This application further relates to tissue paper **treated** with such antimicrobial anhydrous lotion

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compositions.

SUMM As noted, the irritation, **inflammation** and redness around the nose and lips can have several causes. A prime one is, of course, the sheer necessity. . . into the tissue, and wiping the resultant nasal discharge from the nose and surrounding area. The degree of irritation and **inflammation** caused by such blowing and wiping is directly proportional to: (1) the surface roughness of the tissue used; (2) the.

SUMM . . . but is intensely painful for people suffering from anal disorders and can excoriate even normal perianal skin, potentially causing irritation, **inflammation**, pain, bleeding, itching, and infection.

SUMM Hence, the irritation and **inflammation** potentially caused by the use of tissue products is a common drawback experienced by users of both toilet tissue and. . .

DETD **Ionene Polymers**

DETD . . . paper webs that will be used as toilet tissue. In such cases, it is highly desirable that the paper web **treated** with the lotion composition be sufficiently wettable. Depending upon the particular immobilizing agent used in the lotion composition of the. .

DETD . . . using immobilizing agents which quickly crystallize (i.e., solidify) at the surface of the paper. In addition, outside cooling of the **treated** paper via blowers, fans, etc. can speed up crystallization of the immobilizing agent.

DETD C. **Treating** Tissue Paper With Lotion Composition

DETD The following are specific illustrations of **treating** tissue paper with lotion compositions in accordance with the present invention:

WEST Search History

DATE: Wednesday, October 13, 2004

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